

ABSTRACT

A multi-piece solid golf ball has a solid core
5 obtained by molding and vulcanizing a rubber composition
which includes (A) a base rubber containing a polybutadiene
synthesized using a rare-earth catalyst, (B) an unsaturated
carboxylic acid and/or a metal salt thereof, (C) an organic
sulfur compound, (D) an inorganic filler and (E) an organic
10 peroxide. The core is enclosed within a mantle of one or
more layer which is made primarily of a thermoplastic resin
and has a Durometer D hardness of 30 to 70. The mantle is
enclosed within a cover which is made primarily of a
thermoplastic polyurethane and which has a Durometer D
15 hardness of 40 to 60 that is lower than the Durometer D
hardness of the outermost layer of the mantle. This
construction provides the golf ball with an outstanding
rebound.